



PATIENT

Ruby Jiron

SPECIES

Canine

BREED

German Shorthair
Pointer

SEX

Female

AGE

6 years

WEIGHT

77.6 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Bill McGee DVM,
DABVP

HOSPITAL NAME

Bridgeport Animal
Hospital PLLC

REFERRING VET

Dr. Harris

INVOICE

78137

DATE

5/29/26

PRESENTING CLINICAL SIGNS

History: Obese patient that presented for an ovariohysterectomy. Lab work showed elevated ALT, ALKP and there was a grade 3 murmur. OHE was delayed and an echocardiogram was requested as a portion of the workup

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions of the myocardium. Mild increased **LVOT** velocity was noted, yet without structural changes of the aortic valve. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** tract assessment revealed normal valve structure, laminar flow, and diameter (approx.1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window.

E Wave Velocity 0.9 m/sec.

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO	LA/AO (Heart Base)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	NM	NM	1.3	1.5	57	88	NM
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	LA 2D short axis Base view (cm)	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6	BELOW	BELOW	BELOW	BELOW
PATIENT	NM	2.8	1.5	77.6 lbs	3.16	3.8	

ULTRASONOGRAPHIC FINDINGS

Idiopathic increased LVOT velocity, not overtly pathological.



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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is no contraindication to anesthetic procedure. There is no structural evidence of subaortic stenosis in this patient. This is an idiopathic finding and common in Boxers, yet may be present in other breeds.



